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Curriculum Vita

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Education

1976 Ph.D. in Astronomy, Cornell University, "Rocket Infrared Spectroscopy of the Zodiacal Dust Cloud"
1973 M.S. in Astronomy, Cornell University
1969 S.B. in Physics, Massachusetts Institute of Technology

Teaching Experience and Positions Held

2000 - Chair of Physics Department, Ithaca College
1987 - Associate Professor, Dept. of Physics, Ithaca College
1982 - 1987 Assistant Professor, Dept. of Physics, Ithaca College
1978 - 1982 Research Associate, Dept. of Astronomy, Cornell University
1975 - 1977 Lecturer and Assistant Professor, Dept. of Physics and Astronomy, University of Wyoming
1971 - 1975 Research Assistant, Dept. of Astronomy, Cornell University
1969 - 1971 Teaching Assistant, Dept. of Astronomy, Cornell University

Professional Associations

American Astronomical Society
American Institute of Physics
American Association of Physics Teachers
Astronomical Society of the Pacific
Sigma Xi

Grants

Co-investigator, "Integrating Computers into the High School and University Science Lab",
NSF #SPE-8263273.
Principal investigator, "A Spectrometer for Student Research Projects and Advanced Labs",
NSF #CSI-8650938.
Principal Investigator, "An Observatory for Undergraduate Research", NSF #9751742.

Publications

Phillips, P.G. and Briotta, D. A. "Hadamard Transform Spectrometry of the Atmospheres of Earth and Jupiter." *Applied Optics*, **13**, 2233 (1974).
Harwit, M.O., Phillips, P.G., King, L.W. and Briotta, D.A. "Two Asymmetric Hadamard Transform Spectrometers." *Applied Optics*, **13**, 2669 (1974).
Tai, M.H., Briotta, D.A., Kamath, N.S., and Harwit, M.O. "Practical Multi-Spectrum Hadamard Transform Spectrometer." *Applied Optics*, **14**, 2533 (1975).
Briotta, D. A. Ph.D. Thesis. "Rocket Infrared Spectroscopy of the Zodiacal Dust Cloud." CRSR Report #635, Cornell University, Ithaca, NY (1976).
Briotta, D.A. and Houck, J.R. "Preliminary Measurements of the Emission Spectrum of the Zodiacal Dust Cloud" in *Symposium on Recent Results in Infrared Astrophysics*, NASA TMS-73, 190 (1977).
Gehrz, R.D., Hackwell, J.A. and Briotta, D.A. "Infrared Observations of Nova Vulpeculae 1976." *B.A.A.S.*, **8**, 509 (1977).

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- Gehrz, R.D., Hackwell, J.A. and Briotta, D.A. "Observations of the Highly Evolved Carbon Star CRL 3099." *Ap.J. Letters*, **221**, L23 (1978).
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- McCarthy, J.F., Forrest, W.J., Briotta, D.A. and Houck, J.R. "The Galactic Center: 16-30 Micron Observations and the 18 Micron Extinction." *Ap.J.*, **242**, 965 (1980).
- Houck, J.R. and Briotta, D.A. "The Suppression of Charged-Particle-Induced Noise in Infrared Detectors." *Infrared Physics*, **22**, 215 (1982).
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- Herter, T., Briotta, D.A., Gull, G.E., Shure, M.A., and Houck, J.R. "Detection of the [S III] 33.47 Micron Line in the Orion Nebula." *Ap.J Letters*, **259**, L109 (1982).
- Herter, T., Helfer, H.L., Pipher, J.L., Briotta, D.A., Forrest, W.J., Houck, J.R., Rudy, R.J. and Willner, S.P. "Abundances in Five Nearby Galactic HII Regions from Infrared Forbidden Lines." *Ap.J.*, **262**, 153 (1982).
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- Briotta, D.A., Seligmann, P.F., Smith, P.A. and Spencer, C.D. "The Appropriate Use of Microcomputers in Undergraduate Physics Labs." *Am. J. Phys.*, **55**, 891 (1987).
- Spencer, C.D., Seligmann, P. and Briotta, D.A.. "General Purpose Measurement Interface for Physics Experiments." *Computers in Physics*, **1**, 59 (1987).